

### Amendments to the Specification

Please amend the specification as set forth below. Amendments are shown by addition and ~~deletion~~ or ~~[[deletion]]~~ as needed for clarity.

Please remove paragraph [0046] of the published specification (page 11, lines 1-3 of the specification filed October 31, 2005) as follows:

~~[0046] FIG. 3c is a yet further diagrammatic cross sectional view of the membrane apparatus showing the movement of molecules in use;~~

Please remove paragraphs [0065] – [0066] of the published specification (page 13, lines 17-27 of the specification filed October 31, 2005) as follows:

~~[0065] With reference to FIG. 3c, the modified membrane 10 comprises an  $\alpha$  alumina support 10, a  $\text{TiO}_2$  washcoat 28 on the outer surface of the support 10 and a  $\gamma$  alumina layer 30 on the inside of the  $\alpha$  alumina support 10. Rh catalyst particles 12 are impregnated into the bores of the inner and outer face of the sidewall 13 of the modified membrane 10.~~

~~[0066] Further layers of increasing pore radii may be provided adjacent to the  $\gamma$  alumina layer 30 and  $\text{TiO}_2$  28 layers.~~